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PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE SAN FRANCISCO BAY AREA
808 PM PDT SUN JUL 15 2012

...2011-2012 RAIN YEAR PRECIPITATION SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

THIS SUMMARY IS FOR THE RAIN YEAR THAT BEGAN ON JULY 1 2011 AND
ENDED JUNE 30 2012.

AFTER TWO CONSECUTIVE WETTER-THAN-NORMAL YEARS (2009-2010 AND
2010-2011)...PRECIPITATION TOTALS FOR THE 2011-2012 RAIN YEAR FELL
SHORT OF NORMAL ACROSS THE ENTIRE SAN FRANCISCO BAY AREA AS WELL
AS THE MONTEREY BAY AREA. PRECIPITATION TOTALS FOR THE 2011-2012
RAIN YEAR WERE GENERALLY BETWEEN TWO-THIRDS AND THREE-QUARTERS OF
THE 30-YEAR AVERAGE...BUT WERE AS LOW AS 45 PERCENT IN SAN JOSE
AND AS HIGH AS 85 PERCENT AT THE NAPA AIRPORT.

JULY AND AUGUST 2011:

THE FIRST TWO MONTHS OF THE RAIN YEAR WERE TYPICALLY DRY. THE ONLY
MEASURABLE PRECIPITATION THAT OCCURRED DURING THESE MONTHS WAS IN
THE FORM OF DRIZZLE FALLING FROM THE MARINE LAYER...MAINLY CLOSE
TO THE OCEAN. MOST INLAND LOCATIONS PICKED UP NO RAINFALL AT ALL
THROUGH THE MONTH OF AUGUST.

SEPTEMBER 2011:

TWO THUNDERSTORM EVENTS OCCURRED DURING SEPTEMBER. THE
THUNDERSTORMS WERE WIDELY SCATTERED AND MOST OF THEM PRODUCED VERY
LITTLE RAIN. THE FIRST THUNDERSTORM EVENT OCCURRED OVER A TWO DAY
PERIOD...ON FRIDAY AND SATURDAY SEPTEMBER 9TH AND 10TH. A WEAK
UPPER LOW DEVELOPED OVER SOUTHERN CALIFORNIA ON THE 9TH AND
TRIGGERED WIDESPREAD THUNDERSTORM ACTIVITY TO OUR SOUTH AND EAST.
A FEW THUNDERSTORMS THAT HAD DEVELOPED OVER THE SAN JOAQUIN VALLEY
THAT AFTERNOON DRIFTED TO THE WEST AND ACROSS ALAMEDA AND CONTRA
COSTA COUNTIES DURING THE EARLY EVENING HOURS OF THE 9TH. THESE
THUNDERSTORMS WERE DRY AND THEY IGNITED FIVE SMALL FIRES IN THE
EAST BAY. FORTUNATELY...ALL OF THESE FIRES WERE CONTAINED
RELATIVELY QUICKLY. THUNDERSTORMS ALSO DEVELOPED THE NEXT
AFTERNOON ON THE 10TH. THE STORMS ON THE 10TH WERE FARTHER TO THE
SOUTH OVER SAN BENITO COUNTY AND PRODUCED LOCALIZED WETTING RAINS.

THE SECOND THUNDERSTORM EVENT OF SEPTEMBER OCCURRED TWO WEEKS
LATER ON FRIDAY SEPTEMBER 23RD. THIS TIME THE TRIGGER WAS AN UPPER
TROUGH OFF THE SOUTHERN CALIFORNIA COAST. THUNDERSTORMS DEVELOPED
OVER SOUTHEASTERN MONTEREY COUNTY ON THE EVENING OF THE 23RD AND

MOVED QUICKLY TO THE NORTHWEST. MOST LIGHTNING STRIKES OCCURRED OVER SOUTHERN MONTEREY COUNTY...BUT AT LEAST ONE STRIKE WAS OBSERVED AS FAR NORTH AS CARMEL-BY-THE-SEA THAT EVENING.

THE ONLY OTHER PRECIPITATION EVENT DURING SEPTEMBER OCCURRED ON SUNDAY THE 25TH WHEN A WEAK COLD FRONT MOVED FROM NORTHWEST TO SOUTHEAST ACROSS THE REGION. THE FRONT DISSIPATED AS IT MOVED THROUGH AND RAINFALL AMOUNTS WERE GENERALLY JUST A TRACE TO A FEW HUNDREDTHS. THE EXCEPTION WAS IN NORTHWEST SONOMA COUNTY WHERE AS MUCH AS A THIRD OF AN INCH FELL.

HALF OF ALL CLIMATE STATIONS PICKED UP NO MEASURABLE RAINFALL DURING SEPTEMBER.

OCTOBER 2011:

OCTOBER STARTED OFF UNSEASONABLY COOL AND WET AS A COUPLE OF COLD UPPER TROUGHS DROPPED SOUTHEAST OUT OF THE GULF OF ALASKA AND ACROSS CALIFORNIA. PERIODS OF RAIN FELL THROUGHOUT THE REGION FROM MONDAY THE 3RD THROUGH THURSDAY THE 6TH...WITH THE HEAVIEST RAIN OCCURRING ON THE 4TH AND 5TH. SEVERAL DAILY PRECIPITATION RECORDS WERE SET...WHICH ISN'T SURPRISING GIVEN THAT EARLY OCTOBER IS TYPICALLY A DRY TIME OF THE YEAR. NEARLY ALL OF THE RAIN THAT FELL DURING THE MONTH OF OCTOBER OCCURRED DURING THESE FOUR DAYS EARLY IN THE MONTH. RAINFALL TOTALS FROM THE 3RD THROUGH THE 6TH GENERALLY RANGED FROM 0.5 TO 2.0 INCHES AT LOWER ELEVATIONS...FROM 1.5 TO 3.0 INCHES IN THE HILLS...AND AS MUCH 4 TO 5 INCHES OVER THE WETTEST PORTIONS OF THE COASTAL MOUNTAIN RANGES.

ALTHOUGH PRECIPITATION FELL ON ONLY SIX OCTOBER DAYS...RAINFALL AMOUNTS FOR THE MONTH WERE ABOVE NORMAL AT THE MAJORITY OF CLIMATE STATIONS. MANY CLIMATE STATIONS ACCUMULATED RAINFALL THAT WAS WELL ABOVE NORMAL FOR OCTOBER...AND IN SOME CASES NEARLY TWICE THE NORMAL AMOUNT. LOCATIONS NEAR MONTEREY BAY SAW THE MOST SIGNIFICANT DEPARTURES FROM NORMAL...ANYWHERE FROM 200 TO 250 PERCENT OF THE 30-YEAR AVERAGE.

NOVEMBER 2011:

NOVEMBER WAS A COOL AND DRY MONTH. WEATHER SYSTEMS THAT BROUGHT COOL AIR TO THE REGION DURING MUCH OF NOVEMBER WERE NOT ESPECIALLY WET. IN FACT...MOST OF THE NOVEMBER RAINFALL EVENTS WERE ONLY LIGHT TO MODERATE IN INTENSITY. ACROSS THE SAN FRANCISCO BAY AREA RAIN TOTALS FOR THE MONTH WERE ROUGHLY HALF OF NORMAL...RANGING ANYWHERE FROM ABOUT 40 TO 70 PERCENT OF NORMAL. AREAS FARTHER SOUTH GENERALLY FARED BETTER WITH MONTHLY RAIN TOTALS THAT WERE CLOSER TO THE NOVEMBER AVERAGE. THE ONLY LOCATIONS THAT ACCUMULATED GREATER THAN 100 PERCENT OF NORMAL PRECIPITATION FOR THE MONTH WERE WATSONVILLE...SALINAS AND KING CITY.

DECEMBER 2011:

VERY LITTLE RAIN FELL ACROSS THE REGION DURING DECEMBER 2011...MAKING IT ONE OF THE DRIEST DECEMBERS ON RECORD. A PERSISTENT RIDGE OF HIGH PRESSURE ALOFT LOCATED NEAR THE WEST COAST KEPT PRECIPITATION AWAY FROM NORTHERN AND CENTRAL CALIFORNIA FOR NEARLY THE ENTIRE MONTH. THE JET STREAM AND PACIFIC STORM SYSTEMS MOSTLY REMAINED WELL NORTH OF CALIFORNIA. THE RIDGE WEAKENED ONLY ON A FEW OCCASIONS...ALLOWING A FEW WEAK WEATHER SYSTEMS INTO OUR AREA. THESE WEATHER SYSTEMS PRODUCED ONLY LIGHT AMOUNTS OF RAIN ON FOUR DECEMBER DAYS. THE TOTAL RAINFALL FOR ALL OF THESE LIGHT RAIN EVENTS COMBINED WAS LESS THAN A QUARTER OF AN INCH AT NEARLY ALL CLIMATE STATIONS. DECEMBER 2011 RAINFALL TOTALED LESS THAN 10% OF NORMAL AT ALL CLIMATE STATIONS AND AS LITTLE AS 1 TO 3 PERCENT OF NORMAL AT SEVERAL LOCATIONS. DECEMBER 2011 WAS THE THIRD DRIEST DECEMBER ON RECORD IN SAN FRANCISCO...WHERE PRECIPITATION RECORDS GO BACK 162 YEARS TO 1849. AT MOST OTHER CLIMATE STATIONS...DECEMBER 2011 WAS THE SECOND DRIEST ON RECORD. ONLY DECEMBER OF 1989 WAS DRIER. THREE CLIMATE STATIONS EXPERIENCED THEIR DRIEST DECEMBER ON RECORD. THOSE STATIONS WERE SALINAS...SALINAS AIRPORT AND LIVERMORE.

JANUARY 2012:

EXCEPT FOR A FIVE DAY PERIOD OF WET WEATHER FROM JANUARY 19 TO 23...JANUARY WAS A DRY MONTH MUCH LIKE DECEMBER. THE UPPER RIDGE NEAR THE WEST COAST FINALLY WEAKENED AROUND THE MIDDLE OF THE MONTH...AND MOIST FLOW ACROSS THE PACIFIC WAS ABLE TO BREAK THROUGH TO THE WEST COAST. RAIN BEGAN TO FALL ON THE 19TH AND THEN BECAME LOCALLY HEAVY ON FRIDAY THE 20TH...CONTINUING INTO FRIDAY NIGHT. RAIN TOTALS FROM THURSDAY JANUARY 19 THROUGH SATURDAY JANUARY 21 RANGED FROM 2.5 TO 5.75 INCHES IN THE NORTH BAY...AND FROM 1 TO 3 INCHES ACROSS MOST OF THE REST OF THE REGION EXCEPT AS LITTLE AS 0.25 INCHES IN THE INTERIOR VALLEYS AND AS MUCH AS 7 INCHES IN THE SANTA CRUZ AND SANTA LUCIA MOUNTAINS. A SECOND SYSTEM DROPPED MORE RAIN FROM LATE SUNDAY INTO MONDAY THE 23RD. RAIN TOTALS WITH THE SECOND SYSTEM WERE NOT QUITE AS IMPRESSIVE AS WITH THE FIRST BUT STILL SIGNIFICANT...ESPECIALLY IN THE COASTAL MOUNTAIN RANGES WHERE AS MUCH AS FOUR MORE INCHES OF RAIN FELL ON THE 22ND AND 23RD.

ALL OF JANUARY'S RAINFALL OCCURRED DURING THE 5 DAY PERIOD FROM THE 19TH TO THE 23RD. THE NORTH BAY BENEFITED MOST FROM THIS BRIEF RESPITE FROM THE PROLONGED DRY PERIOD. JANUARY RAINFALL TOTALS AT NORTH BAY CLIMATE STATIONS WERE CLOSE TO NORMAL...OR EVEN SLIGHTLY ABOVE NORMAL. ELSEWHERE...RAIN TOTALS FOR JANUARY RANGED ANYWHERE FROM ABOUT 40% TO 70% OF NORMAL.

FEBRUARY 2012:

DRY CONDITIONS CONTINUED INTO FEBRUARY. SEVERAL COOL WEATHER SYSTEMS MOVED INTO THE AREA FROM THE NORTHWEST...BUT MOST OF THEM PRODUCED ONLY LIGHT AMOUNTS OF PRECIPITATION. THE STRONGEST OF

THESE SYSTEMS BROUGHT MODERATE RAINFALL TO MUCH OF THE AREA ON THE FINAL DAY OF THE MONTH. THE 29TH WAS THE WETTEST DAY OF THE MONTH IN MOST LOCATIONS. IN FACT...SOME CLIMATE STATIONS RECEIVED NEARLY HALF OF THEIR ENTIRE FEBRUARY RAINFALL ON THE 29TH. EVEN SO...RAIN TOTALS THAT DAY WERE NOT ALL THAT IMPRESSIVE...RANGING MOSTLY FROM 0.25 TO 0.75 INCHES AT LOWER ELEVATIONS AND FROM 1 TO 2 INCHES IN THE HILLS.

BECAUSE MOST PRECIPITATION EVENTS WERE LIGHT...PRECIPITATION TOTALS FOR FEBRUARY WERE ONLY AROUND A QUARTER TO A THIRD OF THE MONTHLY NORMAL. SOME LOCATIONS ACCUMULATED AS LITTLE AS 15% OF NORMAL. HAD 2012 NOT BEEN A LEAP YEAR...FEBRUARY'S PRECIPITATION TOTALS WOULD HAVE BEEN EVEN MORE AUSTERE.

MARCH 2012:

FINALLY A WET MONTH. THE FIRST TWELVE DAYS OF MARCH WERE FAIRLY DRY WITH JUST A FEW LIGHT RAIN EVENTS. MOST OF MARCH'S RAINFALL OCCURRED FROM THE 13TH ONWARD. A BROAD UPPER LEVEL TROUGH DEVELOPED NEAR THE WEST COAST BY MARCH 12TH AND THEN REMAINED NEARLY STATIONARY FOR THREE DAYS. MOIST SOUTHWESTERLY FLOW FROM THE 13TH THROUGH THE 15TH RESULTED IN SIGNIFICANT RAINFALL FROM SAN FRANCISCO AND OAKLAND NORTHWARD...AND ALSO IN THE SANTA CRUZ MOUNTAINS. THE TROUGH PUSHED TO THE SOUTHEAST ON THE 16TH AND 17TH AND FINALLY PRODUCED SOAKING RAINS ACROSS THE REMAINDER OF THE REGION. RAIN TOTALS FOR THE FIVE DAYS FROM MARCH 13 THROUGH 17 VARIED CONSIDERABLY ACROSS THE AREA...WITH SIGNIFICANT OROGRAPHIC RAINFALL ENHANCEMENT HAVING OCCURRED ON SOUTHWEST-FACING COASTAL SLOPES. FOR EXAMPLE...A COUPLE OF RAIN GAGES IN THE SANTA CRUZ MOUNTAINS NEAR BEN LOMOND AND BOULDER CREEK PICKED UP BETWEEN 16 AND 20 INCHES OF RAIN OVER THOSE FIVE DAYS. BUT IN SAN JOSE...A MERE 25 MILES TO THE NORTHEAST ON THE DOWNSLOPE SIDE OF THE SANTA CRUZ MOUNTAINS...ONLY TWO-THIRDS OF AN INCH OF RAIN FELL DURING THOSE SAME FIVE DAYS.

AFTER A FEW DAYS OF DRY WEATHER FROM THE 19TH THROUGH THE 22ND...WET WEATHER RETURNED TO THE REGION BY THE 23RD AS A DEEP TROUGH DEVELOPED OFF THE WEST COAST. PERIODS OF RAIN CONTINUED THROUGH THE 27TH AS A SECOND SYSTEM MOVED THROUGH. THE SYSTEM THAT BROUGHT RAIN TO THE REGION ON THE 27TH WAS UNREMARKABLE IN MOST RESPECTS. HOWEVER...THE HIGHER TERRAIN OF NORTHERN SONOMA COUNTY RECEIVED CONSIDERABLE RAINFALL FROM THE 27TH THROUGH THE EARLY MORNING HOURS OF THE 28TH (VENADO AND CAZADERO PICKED UP ABOUT 7 INCHES OF RAIN IN LESS THAN 36 HOURS). LOCALLY HEAVY RAIN ACROSS THE RUSSIAN RIVER BASIN CAUSED A SHARP RISE IN THE LEVEL OF THE RUSSIAN RIVER...BUT THE RIVER REMAINED WELL WITHIN ITS BANKS.

ONE MORE SYSTEM BROUGHT MODERATE AMOUNTS OF RAIN TO THE REGION ON THE FINAL DAY OF THE MONTH. MARCH RAIN TOTALS WERE MOSTLY BETWEEN 100 AND 200 PERCENT OF THE 30 YEAR MONTHLY NORMAL. RAIN TOTALS EXCEEDED 200 PERCENT OF NORMAL IN SOME OF THE WETTER NORTH BAY LOCATIONS AND ALSO IN OAKLAND AND WOODSIDE.

A FEW OF THE STORM SYSTEMS THAT MOVED THROUGH THE REGION DURING THE SECOND HALF OF MARCH WERE QUITE COLD...PRODUCING SNOW ON THE HIGHER PEAKS. THE LICK OBSERVATORY ATOP MOUNT HAMILTON RECEIVED A FOOT OF SNOW DURING MARCH. NEARLY ALL THAT SNOW FELL ON THE 17TH...18TH AND 25TH.

APRIL 2012:

APRIL WAS WETTER THAN NORMAL ACROSS MOST OF THE REGION. THE MOST NOTABLE WEATHER EVENT DURING APRIL WAS A THUNDERSTORM OUTBREAK ON THE EVENING OF THURSDAY APRIL 12.

A DEEP UPPER TROUGH GRADUALLY MOVED THROUGH THE AREA FROM THE 10TH THROUGH THE 13TH. THIS TROUGH GENERATED THE BULK OF APRIL'S RAINFALL. A STRONG COLD FRONT MOVED FROM NORTHWEST TO SOUTHEAST ACROSS THE AREA LATE ON THURSDAY APRIL 12. A LINE OF THUNDERSTORMS DEVELOPED ALONG THE COLD FRONT AS THE FRONT APPROACHED SAN FRANCISCO. SEVERAL SPECTACULAR PHOTOGRAPHS OF LIGHTNING WERE TAKEN NEAR SAN FRANCISCO THAT EVENING. THE LINE OF THUNDERSTORMS MOVED SLOWLY TO THE SOUTHEAST ACROSS THE REMAINDER OF THE SAN FRANCISCO BAY AREA LATE THAT EVENING...AND FINALLY INTO THE MONTEREY BAY AREA LATER THURSDAY NIGHT. OVER 700 GROUND-TO-CLOUD LIGHTNING STRIKES WERE DETECTED ACROSS THE REGION DURING THIS THUNDERSTORMS EVENT. SOME OF THE THUNDERSTORMS WERE QUITE STRONG AND DOPPLER RADAR DETECTED ROTATION WITHIN A FEW STORMS. A PARTICULARLY STRONG STORM MOVED ONSHORE ALONG THE NORTHERN SAN MATEO COUNTY COAST AROUND 8 PM THAT EVENING...PROMPTING THE ISSUANCE OF A SEVERE THUNDERSTORM WARNING. HAILSTONES AS LARGE AS THREE-QUARTERS OF AN INCH IN DIAMETER FELL IN PACIFICA AND THERE WERE SEVERAL OTHER REPORTS OF SMALL HAIL THAT EVENING. HEAVY RAIN WITH THE COLD FRONT PRODUCED RECORD DAILY RAINFALL FOR APRIL 12 AT SOME LOCATIONS. RAINFALL TOTALS FOR THE FOUR DAYS FROM TUESDAY APRIL 10 THROUGH FRIDAY APRIL 13 WERE IMPRESSIVE FOR MID- APRIL...WITH MOST OF THE REGION ACCUMULATING BETWEEN 1.5 AND 3.0 INCHES DURING THOSE FOUR DAYS.

ONE MORE PRECIPITATION EVENT OCCURRED NEAR THE END OF THE MONTH ON THE 25TH AND 26TH WHEN LIGHT TO MODERATE AMOUNTS OF RAIN FELL. RAIN TOTALS FOR APRIL WERE WELL ABOVE NORMAL IN MOST LOCATIONS...AND MORE THAN DOUBLE THE 30-YEAR AVERAGE AT SEVERAL CLIMATE STATIONS.

MAY 2012:

A WEAK UPPER LEVEL TROUGH PASSED ACROSS NORTHERN CALIFORNIA ON THE 3RD AND 4TH...DROPPING LIGHT RAIN ON MUCH OF THE REGION. THIS WAS THE ONLY WIDESPREAD RAIN EVENT DURING MAY.

AN UNSEASONABLY COOL UPPER LOW THAT ORIGINATED ALONG THE COAST OF BRITISH COLUMBIA DROPPED SOUTH INTO CALIFORNIA ON FRIDAY MAY 25. THIS WEATHER SYSTEM LACKED SIGNIFICANT MOISTURE AND PRODUCED ONLY WIDELY SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS...MAINLY ACROSS INLAND PORTIONS OF THE REGION. A BRIEF THUNDERSTORM

DEVELOPED NEAR SAN PABLO BAY AROUND 4 PM THAT AFTERNOON. A MORE INTENSE THUNDERSTORM DEVELOPED IN SOUTHEASTERN SANTA CLARA COUNTY NEAR PACHECO PASS LATER THAT AFTERNOON. THIS SECOND THUNDERSTORM DRIFTED SOUTH...SKIRTING THE NORTHERN AND EASTERN PORTIONS OF HOLLISTER WHERE THERE WERE REPORTS OF FREQUENT LIGHTNING...SMALL HAIL AND HEAVY RAIN.

A LACK OF SIGNIFICANT WIDESPREAD RAINFALL DURING MAY MEANT MONTHLY RAIN TOTALS WERE WELL BELOW NORMAL AT NEARLY ALL CLIMATE STATIONS. AT MOST LOCATIONS MAY RAINFALL TOTALED LESS THAN A TENTH OF AN INCH...AND SEVERAL CLIMATE STATIONS PICKED UP NO MEASURABLE RAIN AT ALL DURING THE MONTH. THE WETTEST LOCATIONS IN THE NORTH BAY ONLY MANAGED TO REACH HALF THEIR NORMAL MAY PRECIPITATION.

JUNE 2012:

A WEAK LATE-SEASON COLD FRONT MOVED SLOWLY FROM NORTHWEST TO SOUTHEAST ACROSS THE REGION ON MONDAY JUNE 4TH. THE FRONT PRODUCED VERY LIGHT AMOUNTS OF RAIN AS IT PASSED THROUGH THE NORTH BAY THAT MORNING. THE FRONT BECAME A MORE EFFICIENT RAIN-PRODUCER AS IT PRESSED SOUTH THROUGH THE REMAINDER OF THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA THAT AFTERNOON. THE MONTEREY CLIMATE STATION PICKED UP 0.41 INCHES OF RAIN ON THE 4TH...THE MOST RAIN OF ANY LOCATION ACROSS THE REGION. NEARLY ALL OTHER REPORTING LOCATIONS REPORTED LESS THAN TWO-TENTHS OF AN INCH OF RAIN THAT DAY.

HEAVIER RAIN AMOUNTS AROUND MONTEREY ON THE 4TH TRANSLATED INTO MONTHLY RAIN TOTALS THAT WERE 200-300 PERCENT OF THE JUNE NORMAL. THE NORTH BAY VALLEYS WERE AT THE OTHER EXTREME...PICKING UP LESS THAN A QUARTER OF THEIR NORMAL JUNE RAINFALL AND IN SOME CASES NO RAIN AT ALL.

THE FOLLOWING IS A LISTING OF PRECIPITATION TOTALS FOR THE 2011-2012 RAIN YEAR...ALONG WITH NORMAL RAIN YEAR PRECIPITATION AND THE PERCENT OF NORMAL.

LOCATION	JULY 1- JUNE 30 TOTAL	NORMAL RAIN YR PRECIP	PERCENT OF NORMAL
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NORTH BAY...

ANGWIN	30.03	41.30	73
CALISTOGA	30.67	40.87	75
CLOVERDALE	27.07	43.13	63
FORT ROSS	28.60	39.87	72
HEALDSBURG	31.84	43.95	72
KENTFIELD	35.67	47.98	74
NAPA	21.01	27.71	76
NAPA AIRPORT	17.33	20.39	85
OCCIDENTAL	40.33	56.99	71

PETALUMA AIRPORT	17.59	26.65	66
SAINT HELENA	26.94	36.64	74
SANTA ROSA	23.05	32.20	72
SONOMA COUNTY AP	23.26	36.28	64

SAN FRANCISCO PENINSULA...

HALF MOON BAY	16.16	29.00	56
PALO ALTO	8.80	16.15	54
REDWOOD CITY	15.56	20.32	77
SAN FRANCISCO AIRPORT	13.33	20.65	65
SAN FRANCISCO DOWNTOWN	15.64	23.65	66
WOODSIDE	22.10	29.61	75

EAST BAY...

BERKELEY	21.26	26.60	80
CONCORD	12.65	18.12	70
CONCORD AIRPORT	11.28	16.46	69
FREMONT	8.57	16.68	51
HAYWARD AIRPORT	11.09	18.04	61
LIVERMORE	8.79	15.23	58
LIVERMORE AIRPORT	8.97	15.71	57
MARTINEZ	13.96	20.23	69
MOUNT DIABLO JUNCTION	19.07	25.04	76
NEWARK	8.09	15.09	54
OAKLAND	16.57	23.96	69
OAKLAND AIRPORT	15.01	20.81	72
RICHMOND	16.63	24.93	67

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	37.76	50.48	75
GILROY	11.70	20.54	57
LOS GATOS	11.03	23.08	48
MOFFETT FIELD	7.28	14.68	50
MOUNT HAMILTON	19.96	26.13	76
SAN JOSE	7.09	15.82	45
SANTA CRUZ	20.77	31.35	66
WATSONVILLE	14.98	23.50	64
WATSONVILLE AP	16.21	20.27	80

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	12.79	19.36	66
HOLLISTER	10.03	14.19	71
KING CITY	8.29	12.06	69
MONTEREY	13.58	21.10	64
MONTEREY AIRPORT	11.40	16.12	71
PINNACLES NM	12.37	17.24	72
SALINAS	10.37	15.45	67

SALINAS AIRPORT	10.43	12.83	81
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NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL
CERTIFIED CLIMATOLOGICAL DATA PLEASE CONTACT THE NATIONAL
CLIMATIC DATA CENTER AT 828-271-4800 OR [HTTP://WWW.NCDC.NOAA.GOV](http://www.ncdc.noaa.gov).
OFFICIAL VALUES AS DETERMINED AT THE ABOVE WEB SITE MAY TAKE
SEVERAL MONTHS FOR AUTHENTICATION AND PUBLICATION.

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DYKEMA